

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number
WO 2005/021493 A2

(51) International Patent Classification⁷: C07C 381/00

(21) International Application Number:
PCT/IB2004/002774

(22) International Filing Date: 27 August 2004 (27.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003/6684 27 August 2003 (27.08.2003) ZA

(71) Applicant (for all designated States except US): UNI-
VERSITY OF CAPE TOWN [ZA/ZA]; Rondebosch,
7700 Cape Town (ZA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): STEENKAMP,
Daniel, Jacobus [ZA/ZA]; 1 Plumtree Avenue, 7806
Houtbay (ZA).

(74) Agent: RUSSELL, Claire, Louise; Adams & Adams,
Adams & Adams Place, 1140 Prospect Street, Hatfield, PO
Box 1014, 0001 Pretoria (ZA).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

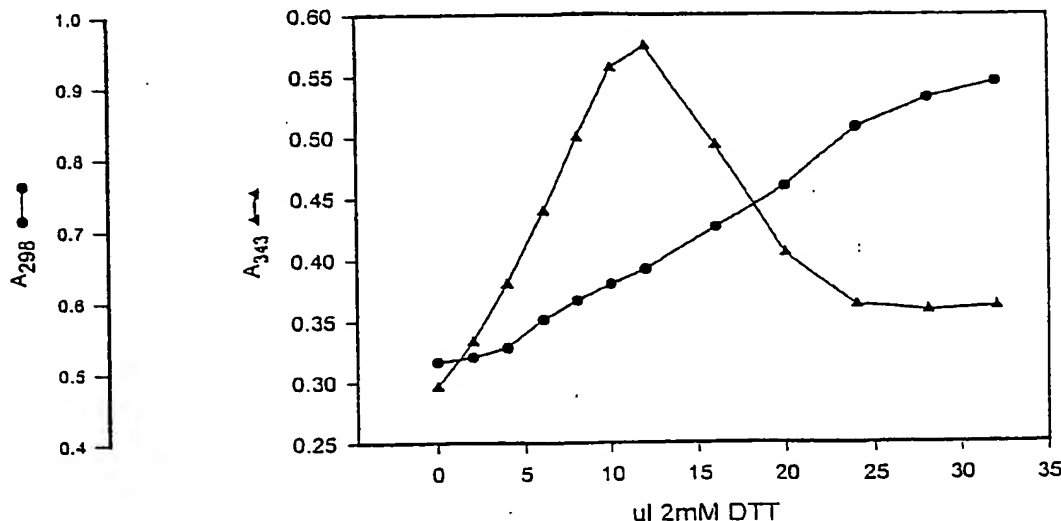
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: A METHOD OF ISOLATING A THIOL



(57) Abstract: The invention relates to a method of isolating a thiol R'SH from a thiol containing mixture. The method includes the steps of forming a mixed disulphide R'SSR of the thiol R'SH, purifying the mixed disulphide R'SSR and reducing the purified mixed disulphide R'SSR. The thiol R'SH is thereafter isolated. The invention extends to a disulphide of the formula R'SSR.

WO 2005/021493 A2